



## R410A

R410A is a HFC blend, used mainly in air-conditioning systems. It may also be used as an alternative to R13B1 in low-temperature refrigeration.

### Chemical Formula

$\text{CH}_2\text{F}_2, \text{CHF}_2\text{CF}_3$

### CAS no.

30 - 60%  
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- R32 **75-10-5**
- R125 **354-33-6**

### UN no.

3163

### ASHRAE Safety Class.

A1

### Purity

99.5%

## Hazard Classification



Class 2.2  
Non-Flammable,  
Pressurized,  
Liquified Gas

## Applications



Domestic  
Refrigeration

## GWP (Global Warming Potential) & ODP (Ozone-Depleting Potential)



**GWP**

2088



**ODP**

Non-Ozone Depleting

### Physical Properties

Appearance	Clear liquefied gas
Odour	Slight ether-like odour
Boiling Point (°C)	-51.443
Vapour Pressure (kPa_abs)	1443 @ 20 °C
Vapour Density (Air = 1)	47.21 @ 20 °C
Relative Density (Water =1)	1.09 @ 20 °C
Auto-Ignition Temperature (°C)	Not Available
Molecular weight (g/mol)	72.585

### Packaging Available in

Disposable Cylinder	✓
Returnable Cylinder	✓

### Compatible Oils

Polyolester

### Precautions

Read label before use.

Asphyxiant; avoid confined spaces

Liquefied gas can cause frostbite

Gas is under pressure

Release of gas into the atmosphere could harm the environment